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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/616,028	07/09/2003		Mark E. Addis	EH-10778 1533		
30188 7	590	05/17/2006		EXAMINER		
PRATT & W 400 MAIN ST		PICKARD, ALISON K				
MAIL STOP:				ART UNIT	PAPER NUMBER	
EAST HARTFORD, CT 06108				3673		

DATE MAILED: 05/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.	Applicant(s)					
Office Action Summary			10/616,028	ADDIS, MARK	ADDIS, MARK E.				
			Examiner	Art Unit					
			Alison K. Pickard	3673					
Period fo	The MAILING DATE of this communic or Reply	ation app	ears on the cover sheet w	ith the correspondence a	address				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FO CHEVER IS LONGER, FROM THE MAnsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community period for reply is specified above, the maximum statue to reply within the set or extended period for reply weeply received by the Office later than three months after a patent term adjustment. See 37 CFR 1.704(b).	ILING DA f 37 CFR 1.13 nication. utory period wi ill, by statute,	TE OF THIS COMMUNI 6(a). In no event, however, may a sill apply and will expire SIX (6) MON cause the application to become Al	CATION. reply be timely filed ITHS from the mailing date of this BANDONED (35 U.S.C. § 133).					
Status									
1)	Responsive to communication(s) filed	on							
<i>'</i> —			-· action is non-final.						
	Since this application is in condition for	•		ers, prosecution as to t	he merits is				
,	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)⊠	t)⊠ Claim(s) <u>1-3,5,6,8-15,17,18,28 and 29</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
	Claim(s) is/are allowed.								
6)⊠	☑ Claim(s) <u>1-3,5,6,8-15,17,18,28 and 29</u> is/are rejected.								
7)	Claim(s) is/are objected to.								
8)□	Claim(s) are subject to restriction	on and/or	election requirement.						
Applicati	on Papers								
9)□	The specification is objected to by the	Examiner							
·	The drawing(s) filed on is/are: a			by the Examiner.					
•	Applicant may not request that any objecti	•	• •	•					
	Replacement drawing sheet(s) including the								
11)	The oath or declaration is objected to t				• •				
Priority ι	ınder 35 U.S.C. § 119								
12)	Acknowledgment is made of a claim fo	or foreign i	priority under 35 U.S.C. 8	119(a)-(d) or (f).					
	a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the International	al Bureau	(PCT Rule 17.2(a)).		J				
* S	ee the attached detailed Office action	for a list o	of the certified copies not	received.					
Attachmen	• •								
	e of References Cited (PTO-892)			Summary (PTO-413)					
	e of Draftsperson's Patent Drawing Review (PT0 nation Disclosure Statement(s) (PT0-1449 or P			s)/Mail Date nformal Patent Application (P	TO-152)				
	No(s)/Mail Date		6) Other:		,				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-3, 5, 6, 8, 9, and 28are rejected under 35 U.S.C. 102(b) as being anticipated by Flower (5,480,165).

Flower discloses a brush seal comprising a back plate 15, side plate 21, first set of bristles 19, and second set of bristles 17. The first set of bristles 19 has a length greater than the length of the second set. The second set abuts the first set at a point adjacent the joint (near 22) between the plates and substantially along the length of the first set (as seen in Figure 1). The second set 17 are more rigid and have non-interfering lay angles (see Fig. 4).

Regarding claim 6, the range is considered to be disclosed by Flower in that Flower discloses the angles of the bristles can be the same. Thus, the difference would be 0 degrees, which is in the claimed range.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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4. Claims 10-15, 17, 18, and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Flower in view of Millener (5,496,045).

Flower discloses a brush seal comprising a back plate 15, side plate 21, first set of bristles 19, and second set of bristles 17. The first set of bristles 19 has a length greater than the length of the second set. The second set abuts the first set at a point adjacent the joint (near 22) between the plates and substantially along the length of the first set (as seen in Figure 1). The second set 17 are more rigid, do not contact the shaft, and have non-interfering lay angles (see Fig. 4). Flower does not appear to disclose a windage cover attached to the side plate and spaced from the first set of bristles. Millener teaches a brush seal comprising bristles, a back plate, and a front plate. Millener teaches providing a "windage cover" on the front plate 10 to control lifting forces that disrupt the sealing of the bristles. Therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the side plate of Flower with a cover as taught by Millener to improve the sealing affect by controlling disruptive lifting forces.

Regarding claim 13, the range is considered to be disclosed by Flower in that Flower discloses the angles of the bristles can be the same. Thus, the difference would be 0 degrees, which is in the claimed range.

Response to Arguments

5. Applicant's arguments filed 3-10-06 have been fully considered but they are not persuasive.

Applicant argues that Flower does not disclose the limitations of claim 1. The examiner disagrees. Attention is directed to the last sentence in the abstract and to claim 3 in Flower.

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Flower specifically states that the longer set of bristles can be supported/adjacent the backing plate 15. And, the spacer shown in Fig. 6 does not have to be present.

Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alison K. Pickard whose telephone number is 571-272-7062. The examiner can normally be reached on M-F (10-7:30), with alternate Friday's off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tricia Engle can be reached on 571-272-6660. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (tollsfree).

Alison K. Pickard Primary Examiner Art Unit 3673

AP